

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Boright et al.

Attorney Docket No. BING-1-1037

Serial No.: 10/720,290

Group Art Unit: Not yet assigned

Filing Date: November 24, 2003

Examiner: Not yet assigned

Title: CLOUD COVER ASSESSMENT: VNIR – SWIR

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sirs:

Pursuant to 37 C.F.R. § 1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information related to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. § 1.56(b).

In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, no additional fee is required.

Copies of references listed on the attached Form PTO-1449 are enclosed herewith, along with a return receipt postcard.

Respectfully submitted,

BLACK LOWE & GRAHAM<sup>PLLC</sup>

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**MAIL CERTIFICATE**

I hereby certify that this communication is being deposited with the United States Postal Service via first class mail under 37 C.F.R. § 1.08 on the date indicated below addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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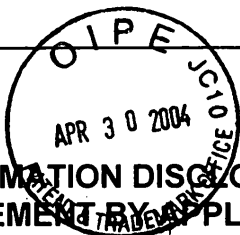
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number	10/720,290
Filing Date	November 24, 2003
First Named Inventor	Arthur L. Boright
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned

Sheet 1 of 2

Attorney Docket Number BING-1-1037

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
	1.	4,465,940		Graff et al.	08-14-1984
	2.	4,921,349		Richards	05-01-1990
	3.	5,075,856		Kneizys et al.	12-24-1991
	4.	5,088,833	A	Tsang et al.	02-18-1992
	5.	6,531,701	B2	Chou et al.	03-11-2003

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office <sup>3</sup> Code	Number <sup>4</sup>	Kind <sup>5</sup> (if known)			

Examiner  
Signature

Date  
Considered

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<i>Complete if Known</i>	
				Application Number	10/720,290
				Filing Date	November 24, 2003
				First Named Inventor	Arthur L. Boright
				Group Art Unit	Not yet assigned
				Examiner Name	Not yet assigned
Sheet	2	of	2	Attorney Docket Number	BING-1-1037
<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
	6.	Ackerman, S. A., et al., "Discriminating Clear Sky From Clouds With MODIS," Journal of Geophysical Research, December 27, 1998, Vol. 103, No. D24, pp. 32,141-32,157.			
	7.	Chen S. S., "Landsat 7 Automatic Cloud Cover Assessment, R.R. Irish, in Algorithms for Multispectral, Hyperspectral, and Ultraspectral Imagery VI," M.R. Descour, Editors, Proceedings of SPIE, 2000, Vol. 4049, pp. 348-355.			
	8.	Diner, D. J., et al., "Earth Observing System Multi-angle Imaging Spectro-Radiometer(MISR) Level 1 Cloud Detection Algorithm Theoretical Basis," Jet Propulsion Laboratory, California Institute of Technology, December 7, 1999, Vol. D-13397, Rev. B, pp 1-38.			
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	10.	Goodman, A. H. and Henderson-Sellers, A., "Cloud Detection and Analysis: A Review of Recent Progress," Atmospheric Research, 1988, Vol. 21, Nos. 3-4, pp. 229-240.			
	11.	Gao, B-C., and Kaufman, Y. J., "Selection of the 1.375- $\mu$ m MODIS Channel for Remote Sensing of Cirrus Clouds and Stratospheric Aerosols from Space," American Meteorological Society, Journal of the Atmospheric Sciences, December 1, 1995, Vol. 52, No. 23, pp. 4231-4237.			
	12.	King, M. D., et al., "Discriminating Heavy Aerosol, Clouds, and Fires During SCAR-B: Application of Airborne Multispectral MAS Data," Journal of Geophysical Research, December 27, 1998, Vol. 103, No. D24, pp. 31,989-31,999.			
	13.	Logar, A., et al., "A Hybrid Histogram/Neural Network Classifier for Creating Global Cloud Masks," International Journal of Remote Sensing, 1997, Vol. 18, No. 4, pp. 847-869.			
	14.	Logar, A. M., et al., "The ASTER Polar Cloud Mask," IEEE Transactions of Geoscience and Remote Sensing, July 1998, Vol. 36, No. 4, pp. 1302-1312.			
	15.	Rossow, W. B., et al., "Global, Seasonal Cloud Variations from Satellite Radiance Measurements. Part I: Sensitivity of Analysis," Journal of Climate, May 1989, Vol. 2, pp. 419-460.			
	16.	Rossow, W. B., et al., "ISCCP Cloud Algorithm Intercomparison," Journal of Climate and Applied Meteorology, September 1985, Vol. 24, No. 9, pp. 877-903.			
	17.	Rossow, W. B., "Measuring Cloud Properties from Space: A Review," Journal of Climate, March 1989, Vol. 2, pp. 201-215.			
	18.	Sèze, G., et al., "Cloud Cover Observed Simultaneously from POLDER and METEOSAT," Physics and Chemistry of the Earth Part B: Hydrology, Oceans and Atmosphere, 1999, Vol. 24, No. 8, pp. 921-926.			
	19.	Vermote, E. F., et al., "A SeaWiFS Global Monthly Coarse-Resolution Reflectance Dataset," International Journal of Remote Sensing, 2001, Vol. 22, No. 6, pp. 1151-1158.			
Examiner Signature				Date Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1. Applicant's unique citation designation number (optional). 2. Applicant is to place a check mark here if English language Translation is attached.

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